

INSPECTION AND SAFETY DIVISION  
OPERATIONS SERVICES DEPARTMENT

Evaluation  
of  
World Trade Center  
Construction Safety Program  
For The Period  
May 15, 1970 to October 15, 1970

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The World Trade Center is presently planning a weekend drill to coordinate pump operations on the 7th and 41st floors of Tower A with pumper units of the Department.

#### Compressed Gas Cylinders

World Trade Center staff make a complete audit of all inactive compressed gas cylinders at least twice a month. A report is issued to the General Contractor with a request to remove excess or discarded cylinders from areas specified.

Obviously, there was an appreciable drop in the number of cylinders during the warm weather months, but the pick-up operation of excess or discarded cylinders requires improvement. As requested in previous audits, it is essential that empty cylinders continue to be removed promptly from the site. Cylinders should be properly marked to identify the contractor's name and the condition.

#### Comments From Review Meeting With R. Monti on November 13, 1970

CONCENTRATED EFFORTS ARE BEING MADE IN COOPERATION WITH INSURANCE CARRIERS TO LOCATE AND REMOVE CYLINDERS PRIOR TO THE HEATING SEASON. IT IS ANTICIPATED THAT STEAM HEAT WILL BE AVAILABLE FOR THE BELOW GRADE AREA.

#### Air Pollution

The problem of environment exposures to the World Trade Center area by asbestos fireproofing has been eliminated. In April, New York City Building Authorities issued regulations to the construction industry curbing the use of asbestos as fireproofing on steel work. The World Trade Center had already stopped using asbestos prior to these regulations. The substitute now being used is Cafco, "Blazecraft", Type C, stamped "Contains No Asbestos", with a New York State approval number.

#### Building Exterior

Several construction operations are taking place in the Tower exteriors at this time. Each has its specific accident exposures. The following identify operations with related exposures and recommendations:

Aluminum Panel Erection - This operation has failed to comply with both requested safety requirements and the safe operating procedures of the contractor's own safety program. The workers were not wearing hard hats, safety belts, or using lanyards for portable tools. They failed to observe proper precautions to raise panels and protect rope slings with sill guards, properly secured. Substantial improvement has, however, been noted since mid-September.

Aluminum Window Assembly - The frame is made up of four galvanized pieces welded on the interior edges of window openings. A jig is placed in the opening to guide the frame installation. In the past these jigs were not tied down. A falling steel frame piece was the cause of one of the recent fatalities. Since this incident, the operation has been altered to include a vice clamp to hold the framing. This operation is still under close surveillance by World Trade Center Safety personnel.